



**Stantec**

**Stantec Consulting Services, Inc.**  
1901 Nelson Miller Parkway  
Louisville, Kentucky 40223-2177  
Tel: (502) 212-5000  
Fax: (502) 212-5055

---

October 28, 2008  
File: LV2008008

**Kentucky Office of the 911 Coordinator/CMRS Board**  
200 Mero Street  
Frankfort, KY 40622

**Attention: Mr. David Lucas**

Dear Mr. Lucas:

**Reference: CMRS Geospatial Audit  
Kentucky State Police Post 3 - Bowling Green  
PO Box 68  
Bowling Green, KY 42102**

The Geospatial Audit of Kentucky State Police Post 3 - Bowling Green located in Warren County was conducted on 9/4/2008. Kentucky State Police Post 3 - Bowling Green provides wireless 9-1-1 service for Edmundson and Hart Counties.

#### **PSAP MAPPING SUMMARY**

Information on the mapping solution employed by the PSAP was collected as part of the audit process, which includes the type of software and system, the vendor, the version and the layers being used at the time of the audit. In addition, this summary may include notes and observations taken while conducting the audit. 202 KAR 6:100 specifies the requirements of mapping software used in certified PSAPs. The software used by Kentucky State Police Post 3 - Bowling Green does not meet this requirement.

#### **FIELD DATA TESTING**

In accordance to the requirements of the Geospatial Audit, 20 random points for jurisdiction of the PSAP or for each county served by the PSAP were tested by collecting field GPS information and address information and comparing the results of plotting the two elements with the 9-1-1 solution employed by the PSAP. The result of this portion of the audit is that 0% of the points tested met the criteria of the Audit. Passing criteria is that 90% of the points tested shall meet the criteria set forth in 202 KAR 6:100, Section 4, Paragraph 4.

#### **WIRELESS 9-1-1 FUNCTION**

In accordance to the requirements of the Geospatial Audit, 20 wireless 9-1-1 calls were documented for data, software, and mapping function. The result of this portion of the audit is that 100% of the calls documented met the criteria of the Audit. Passing criteria is that 66% of the points tested shall meet the criteria set forth in 202 KAR 6:100, Section 4, Paragraph 3.

# Stantec

October 28, 2008

Mr. David Lucas

Page 2 of 2

**Reference: CMRS Geospatial Audit**

## CONCLUSION

Mapping Component	<b><u>Does not meet audit criteria</u></b>
Field Data Component	<b><u>Does not meet audit criteria with</u></b> 0% of points tested meeting criteria
Wireless Data Component	<b><u>Meets audit criteria with</u></b> 100% of calls tested meeting criteria

Based on the results of the audit, Kentucky State Police Post 3 - Bowling Green does not meet the standards set by legislation and administrative regulation.

The detailed documentation of the audit with observations and recommendations is attached. The documentation is separated into a report of the software and data used by the PSAP with observations and recommendations; Field Data Report; and Wireless Data Report. Please note that supporting printouts and printed maps are included in the electronic copy of this report.

Sincerely,

**Stantec Consulting Services Inc.**

James B. Morse  
GIS Project Manager  
Tel: (502) 212-5044  
Fax: (502) 212-5055  
James.morse@stantec.com

Attachment: Report Details

c. Files

j v:\1756\active\175658008\gis\merged summary letter.doc

---

# PSAP Mapping Component Summary

---

**PSAP Name** Kentucky State Police Post 3 - Bowling Green

**Address** PO Box 68 **Audit Date** 1/1/2001  
**City** Bowling Green **Audit Personnel** MCCORMICK  
**Contact** RADIO ROOM SUPERVISOR  
**Contact Title** c/o Post Commander

Software	Version	Vendor
INTERACT GEO911	5.8	INTERACT PUBLI

## Mapping Layers Used

**Road Centerlines:** ☒

**Point Addresses:** ☐

**Ortho Photography:** ☒

**Other Layers:** ☒ Type of 'other' layers used by PSAP:

The map has 25 layers: Runways, Law, Structure, School, Hospital, Church, Cemetery, MM, Place, Town, Road, Rail, County, Water, Stream, City, State or National Park, Allen Co. (Image), Barren Co. (Image, Butler Co. (Image), Edmonson Co. (Image), Hart Co. (Image) , Logan Co. (Image), Simpson Co. (Image), Warren Co. (Image)

## Notes and Observations:

Observation and comments. (1) Dispatcher Jimmy Kitchens was the first individual that we had witness who could enter Lat/Long using the key pad similar to an adding machine. He was very efficient and accurate in entering the numbers. He comment that he had been trained in Warren County and they we taught to enter all information using typing and key pads.

It is unknown when the map was last up dated, the frequency of updates, who supplies the information or puts the information into the system.

The data was obtained from the map by Christie Basham and Jimmy Kitchens, the wireless call were obtained by Jimmy kitchens.

\*\*\*When plotting the location of an address, the software used by KSP will geocode the location on the centerline. Under the present circumstances, the system does not indicate which side of the centerline segment the address would be located. This is a design issue with the software. According to the software vendor, the ideal setup would utilize both street centerline and point address layers for locating address on the correct side of the segment. KSP Posts utilize only a street centerline layer. With only one data set, the functionality of the software is reduced. Since the interpretation of the KAR is that the software should indicate the side of the segment based on the associated ranges, the software solution currently does not meet the requirements of the audit. KSP has initiated steps to resolve the issue. At the time of this writing, there is no timeframe for implementing the resolution.